

## **ABSTRACT**

A train control system requires a train operator to enter signal aspect information at each wayside signal position on a railroad and stops the train if the operator fails to enter aspect information without communicating with the wayside  
5 signal device to verify that the information entered by the operator is correct. In some embodiments, the signal aspect information is entered by pressing a button corresponding to the signal aspect information, and the location and/or arrangement of the buttons changes. Alternatively, the operator must repeat a varying sequence (such as a series of button pushes) in conjunction with and/or in  
10 addition to entering signal aspect information.